



Florida Community College at
Jacksonville



Associate in Applied Science in Automotive Service Management

STUDENT DATA:

NAME: ROADMAP'S DEGREE

SSN: 000-00-0000

Credit Potential
Required Credit

English Composition (ENC 1101) [EN024A]

3.00

(This course embodies the fundamentals of effective expression with emphasis on the various forms of expository writing, logical and imaginative thinking, and reading for understanding. The course provides instruction in sentence structure, diction, organization of short essays, correct usage of standard American English and an introduction to documentation skills. FCCJ accepts the CLEP General Examination with Essay with a score at or above 50.)

{DANTES Code = 11.07.00}

Social / Behavioral Sciences or History

3.00

(Credit from college level testing may apply here. Visit the FCCJ website for a complete listing and description of available courses.)

{DANTES Code any 20.XX.XX series}

Intermediate Algebra (MAT 1033) [MH048A]

3.00

(This course is designed for students who require additional skills in algebra before taking MAC 1105, MGF 1106, MGF 1107 or STA 2023. The major topics include sets, linear equations and inequalities with applications, absolute value, polynomials and factoring, algebraic fractions, rational expressions with applications, exponents, roots and radicals, quadratic equations with applications, relations and functions, graphs and systems of linear equations and inequalities with applications. Credit from college level testing may apply here.)

{DANTES Code = 14.01.04}

Humanities

3.00

(Select from a list of several. Visit www.fccj.edu/prospective/programs/indexhtml for a complete listing and description of available courses. Credit from college level testing may apply here.)

{DANTES Code = 08.06.00 or most 08.XX.XX series}

Physical Science

3.00

(Select from a list of several courses. Physics for Liberal Arts (PHY 1020C) is recommended. This requirement may be filled with college level testing.)

Introduction to Automotive Technology (AER 1007) [VO001A]	3.00
(This course explores the automotive industry today, the changes in the industry and the advanced technology used in todays vehicles. Information is provided on career opportunities, job classification, ASE Certification, safety in the automotive shop, and electronic service information systems. In addition, GM-ASEP students will include GM specific instruction based on GM-STG course number 10015.00 Introduction to Windows and course number 10016.00 Introduction to Electronic Service Information will be covered.)	
Electrical Systems I (AER 1310) [VO003A]	4.00
(This course is designed to teach entry-level skills in automotive electricity and electronics technology. Topics include the basics of electrical and electronic systems, battery and service, charging systems, and lighting systems. In addition, GM-ASEP students will include GM specific instruction based on student course number 18001.02 Specialized Electronic Training, 1602.01 Batteries, Charging, and Cranking Systems and 19007.03 GM Audio Systems will be covered.)	
Air Conditioning & Heating (AER 1610) [VO011A]	4.00
(This course is designed to teach entry-level skills in the theory, service and repair of automotive heating and air conditioning systems. In addition, GM-ASEP students will include GM instruction based on GM-STG course 3 11004.00 Introduction to Air Conditioning Refrigeration Systems will be covered.)	
Brake Systems (AER 1410) [VO005A]	4.00
(This course is designed to teach job entry skills in the theory, operation and repair of brake systems, including both drum and disc brakes. In addition, GM-ASEP students will include GM-STG course number 13003.02 Bosch 5 Series ABS/T.S., course number 15004.50 Introduction to Antilock Brakes, and course number 15005.11 Kelsey Hayes 4WAL ABS.)	
Steering and Suspension (AER 1450) [VO006A]	4.00
(This course is designed to teach entry-level skills in the service and repair of steering and suspension systems, power steering, wheels and tires. In addition, GM-ASEP students will include GM-STG course number 13001.10 Steering Service and course number 13003.00 Suspension, Alignment and Wheel Balance.)	
Manual Transmissions and Transaxles (AER 1231) [VO009A]	4.00
(This course is designed to teach entry level skills in clutches, manual transmission, manual transaxles, drive axles and differentials. Topics include theory of operation, service and repair. In addition, GM-ASEP students will include GM specific instruction based on GM-STG course number 17003.13 Five Speed Manual Transmission, course number 17033.11 51M60 Manual Transmission, course number 1300.02 Vibration Correction, course number 14004.00 Rear Axle and Proshaft and course number 14003.04 All Wheel Drive Systems will be covered.)	
Engines (AER 1111) [VO002A]	4.00
(This course is designed to provide instruction in the repair, diagnosis and disassembly of engines and reconditioning of short block, cylinder	

heads, valve trains, engine sealing and reassembly. In addition, GM-ASEP students will include GM specific instruction based GM-STG course number 16014.11 Engine Mechanical will be covered.)

Engine Performance I (AER 2520) [VO017A] 4.00

(This course is designed to teach entry-level skills in intake and exhaust systems, fuel systems, carburetors, and emission control systems. In addition, GM-ASEP students will include GM specific instruction based on GM-STG course number 16009.10 Fuel Injection Diagnosis, and GM-STG course number 16030.02 on Board Diagnostics Generation II will be covered.)

Engine Performance II (AER 2522) [VO017A] 4.00

(This course is designed to teach job entry skills in the diagnosis and repair of drivability problems. Topics covered include engine performance and electrical and computer system operations. Emphasis is placed on manufacturers diagnostic charts and diagnostic equipment. Use of scanners on both carburetor and fuel-injected vehicles will be addressed. In addition, GM-ASEP students will include GM specific instruction based on GM-STG course number 16003.01 Engine Performance Testing and course number 16020.05 Distributorless Ignition System will be covered.)

Automatic Transmissions and Transaxals I (AER 1132) [VO010A] 4.00

(This course seeks to develop entry-level skills in the theory and repair of clutches, manual and automatic transmissions, and transaxles. Also included are final drive and differential assemblies. Instruction will combine lecture and shop experience.)

Automatic Transmissions II (AER 2251) [VO010A] 4.00

(This course is designed with knowledge-based, performance-based and intern-based skills identified as standards for the automotive industry. Topics will include theory, operation and diagnostics of Ford specific computer engine management systems. Performance skills include the systematic diagnostic routines required to diagnose, repair and update Ford computer management systems. The knowledge skills represent theory of the topics and support the mastery of the performance-based skills for this topic.)

Electrical Systems II (AER 2311) [VO003A] 4.00

(This course is a continuation of Electrical Systems I designed to teach entry level skills in automotive electricity and electronics technology. Topics include electrical instruments and accessories, ignition systems, and service. In addition, GM-ASEP students will include GM specific instruction based on GM-STG course number 18001.11 Advanced Electronics Strategy Based Diagnostics, course number 18002.01 Truck Body Control Module, and GM course number 22008.22 GM Air Bag Systems.)

Advanced Engine Performance (AER 2523) [VO008A] 4.00

(This course is an advanced study of automotive diagnostic equipment and techniques. Students are expected to have a basic knowledge of electrical systems, engine operation, fuel systems and engine performance prior to enrolling. The course will concentrate on electronic engine controls including fuel injection, feedback systems and computer controlled engine management systems.)

First Year Automotive Internship (AER 2880)**1.00**

(This course is an integral part of the following first year courses: AER 1007, AER 1310, AER 1610, AER 1410, AER 1450, AER 1231 and AER 1111. In order to meet the State of Florida Department of Education (DOE) and National Automotive Technician Education Foundation (NATEF) standards, interns must complete a minimum of 320 hours on-the-job learning experience addressing the standards designated in each course of instruction. While working under the mentorship of an experienced technician, students must document the required hours referenced to the standards in each module.)

Second Year Automotive Internship (AER 2881)**1.00**

(This course is an integral part of the following second year courses: AER 2520, AER 2522, AER 1253, AER 2251, AER 2311 and AER 2523. In order to meet the State of Florida Department of Education (DOE) and National Automotive Technician Education Foundation (NATEF) standards, interns must complete a minimum of 320 hours on-the-job learning experience addressing the standards designated in each course of instruction. While working under the mentorship of an experienced technician, students must document the required hours referenced to the standards in each module.)

Excess or Duplicate Credit**TOTAL****68.00****0.00**

Thank you for requesting support from the U.S. Coast Guard Institute (CGI). Whereas we serve as an activity in support of your unit Educational Services Officer (ESO), you are encouraged to seek assistance from your local ESO in your academic endeavors. The following information is provided to help you understand what is presented in this degree plan:

This document is an UNOFFICIAL Degree Plan to provide you with a preliminary assessment of how your prior learning experiences might fit into the specified degree program for this academic institution. If you choose to pursue this degree option, you must present it to a college representative, who will review it for the following:

- o Accurate representation of the college's degree program requirements, including course numbers and titles, credit hours for each course, lower- and upper-level course requirements, and the total number of credits needed for the degree.
- o Appropriate assignment of ACE Guide-recommended credit at the lower or upper level for military service schools and occupations, CLEP, DSST, and other tests, transfer credit for courses from other colleges and universities, certification programs, etc.
- o Appropriate assignment of SOC Course Category Codes from the SOC Handbook Transferability Tables. The SOC Degree Program Handbooks can be obtained from the SOC web site at: www.soc.aascu.org should you wish to learn more about the course transfer guarantees among SOC network institutions.

IMPORTANT NOTE: When you are ready to seek admission into this degree program, please contact the USCG Institute at 1-405-954-7241. Your advisor will send the college or university an official U.S. Coast Guard Institute transcript, a copy of

the degree plan, and a ready-for-signature SOC Student Agreement which, when signed by a college official, becomes a contract for degree completion committing the college or university to supporting you in your academic endeavors.

Credit for all courses you have taken must be reflected on official transcripts sent directly to this college from the administrative offices of the colleges you previously attended. This degree plan is often used for information purposes by college counselors pending receipt of the official transcripts from the source colleges.

This degree plan is not intended to compete with your local college or university. Keep in mind, you are allowed to transfer in a significant amount of the degree requirements to this institution. As such, credit from local colleges, college level examination programs, or advanced military training may be applied to this degree. You may also complete the courses necessary from this college either in residence (on campus or possibly on a military base at a campus extension in the Education Center) or through distance delivery of the courses. If you have questions, please contact the college counselor or your advisor listed at the bottom of this Degree Plan.

DEGREE PLAN LEGEND:

SH = Semester hours
VOC = Vocational, not relative to an academic degree
LL = Lower Level, i.e. courses at the Freshman/Sophomore level
UL = Upper Level, i.e. courses at the Junior/Senior level
GL = Graduate Level (sometimes recommended by ACE for very complex courses)
[#] such as [EN024A] or [EN024B] = SOC Course Category Codes*
{#} such as {DANTES Code = 01.02.03} = DANTES Academic Codes **

* SOC Course Category Codes: Service members Opportunity Colleges (SOC) is a consortium of over 1,600 accredited colleges and universities seeking to provide degree opportunities to the military. Over 170 of these institutions participate in network degree programs developed for the Army, Navy, Marine Corps, and Coast Guard. A SOC course category number beside a course from one of these institutions, such as [EN024A] or [EN024B] for English Composition, indicates that courses from other degree program institutions with the same code may be taken to satisfy the degree requirement. See the SOC Degree Programs Handbooks at <http://www.soc.aascu.org/>

** DANTES Academic Codes: The Defense Activity for Non-Traditional Education Support (DANTES) publishes the DANTES Independent Study Catalog (DISC) annually, which lists more than 6,000 courses from dozens of regionally accredited colleges and universities. Because this is a degree from a SOC affiliated college, the academic residency requirements are limited, thereby allowing students to transfer in a significant portion of the degree, as mentioned above. If the course you desire to take is not offered by this institution when you want to take it, consider the opportunities the courses in the DISC present. For more information, visit http://www.dantes.doded.mil/dantes_web/distancelearning/disc/front/cont.htm Keep in mind, you should always check with the counselor or academic advisor at this institution before enrolling in a course listed in the DISC to ensure it will be accepted in transfer toward this degree.

Florida Community College at Jacksonville (FCCJ) General Information

Florida Community College at Jacksonville is one of the leading providers of distance learning to the military. Distance Learning (DL) is simply learning from a distance, usually from home, or from a conveniently located off-campus site. DL allows adults to earn college credits, even entire degrees, without ever leaving home. DL at Florida Community College at Jacksonville makes use of the Internet, software, modems, TV stations, 2-way television using fiber optics, and digital phone lines, satellites, videocassette and audio tape, and the ever-popular mailbox, to deliver instruction.

As technology continues to become more accessible and more affordable, distance learning changes and evolves. Learners now have the opportunity to take classes without the necessity to attend regular, weekly lectures on campus. Online courses from all academic departments are available via Internet access. World Wide Ready courses at FCCJ are 100 percent online while other online courses require time and place-bound testing or orientation sessions. The FCCJ Class Schedule offers in-depth detail about online courses and identifies those that are 100 percent online. The Distance Learner Handbook is a rich resource for inquiry about distance learning at FCCJ.

A SOC Contract for Degree Completion with this institution may be entered after enrolling in the first course through them.

Tuition per course: \$66.40 per semester hour in-state, Tuition for Georgia residents \$127.55 per semester hour, and
\$249.85 per semester hour out-of-state (subject to change)

Application fee:

U.S. citizens \$15.00 one time only

International students \$80.00 one time only

This fee is a processing fee and is non-refundable.

To discuss your next step toward earning this degree with FCCJ, contact:

Chris Johnson

Advisor

FCCJ Open Campus

Military Education Institute

601 West State Street

Jacksonville FL 32202

Phone: 904-357-8890

Email: military@fccj.edu

Lauren Webb

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Email: military@fccj.edu

Visit the Military Education Institute web site: www.fccj.edu/mei

POLICY NOTES:

Transfer credit accepted by FCCJ may include up to 45 semester hours of non-traditional credit (American Council on Education recommended credit and college level testing - CLEP, DSST, Excelsior and FCCJ's Proficiency Examination Program (PEP) tests). Also, 25% of the degree must be earned via FCCJ (including distance learning courses).

Evaluation completed by: Charles Morrison

On: 15 June 2007